JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 439 (1992)

AUTHOR INDEX

Albrecht, R., (439) 65
Almond, M.J., (439) 251
Andersen, J.-A.M., (439) C25
Atwood, D.A., (439) C33

Bennett, S.C., (439) 189
Boo, B.H., (439) 107
Bringewski, F., (439) 33
Burlakov, V.V., (439) 303

Chakravorty, A., (439) 91
Chattopadhyay, S., (439) 91
Chen, C.-C., (439) 347
Chi, Y., (439) 347
Clegg, W., (439) 237
Conole, G., (439) 327
Corey, J.Y., (439) 1
Corriu, R.J.P., (439) C1
Cowley, A.H., (439) C33
Curtis, M.D., (439) 319

Deeming, A.J., (439) 177
De Felice, V., (439) C49
Dötz, K.H., (439) 263
Duckworth, T.J., (439) 327

Ebsworth, E.A.V., (439) 213
Edelmann, F.T., (439) C6
Einstein, F.W.B., (439) 221
Ermekov, D.S., (439) C28, C53

Ferrara, M.L., (439) C49
Field, J.S., (439) C56
Fun, H.-K., (439) 139

Garbuzova, I.A., (439) C53
Gelling, A., (439) 189
Gladysz, J.A., (439) 163
Gómez, M., (439) 147, 309
Görls, H., (439) C36
Gornitzka, H., (439) C6
Guerin, C., (439) C1

Hagen, K., (439) 251
Haines, R.J., (439) C56
Harms, K., (439) 263
Henderson, K.W., (439) 237
Henner, B.J.L., (439) C1
Hirth, U.-A., (439) C16, C20
Ho, D.M., (439) 53
Huttner, G., (439) 33

Imhof, W., (439) 33
Ishikawa, M., (439) 19

Jacob, K., (439) C6
Jain, V.K., (439) 231
Jenkins, C.E., (439) 251
Jeong, I.-H., (439) 107
Jeong, J.H., (439) 23
Jimenez, G., (439) 147, 309
Jin, D., (439) 45
Jones, R.A., (439) C33
Jung, O.-S., (439) 23
Jutzi, P., (439) 279

Käb, H., (439) C20
Kai, C., (439) C42
Kaim, W., (439) 79
Kannan, S., (439) 231
Kilimann, U., (439) C6
Killing, H., (439) 101
Ko, J.-Y., (439) 107
Kowall, B., (439) 101
Kubo, K., (439) C42
Kwak, Y.-W., (439) 107
Kwetkat, K., (439) 127

Ladwig, M., (439) 79
Laurent, C., (439) 115
Lee, G.-H., (439) 347
Lin, R.-C., (439) 347
Lindsell, W.E., (439) 201

Mach, K., (439) 341
Malisch, W., (439) C11, C16, C20
Mandal, S.K., (439) 53
Mardones, M.A., (439) C33
Mays, M.J., (439) 327
Mazerolles, P., (439) 115
McPartlin, M., (439) 327
Meier-Brocks, F., (439) 65
Meyer, U., (439) 279
Mitchell, T.N., (439) 101, 127
Miyoshi, K., (439) C42
Moreton, S., (439) 213
Moss, J.R., (439) C25
Mulla, F., (439) C56
Mulvey, R.E., (439) 237

Naka, A., (439) 19
Nakazawa, H., (439) C42
Nettelbeck, C., (439) 101
Neumann, B., (439) 279
Nováková, J., (439) 341

Okazaki, S., (439) 19
O'Neil, P.A., (439) 237
Opiela, S., (439) 279
Orchin, M., (439) 53

Pal, C.K., (439) 91
Panunzi, A., (439) C49
Pedulli, G.F., (439) C46
Pellinghelli, M.A., (439) 309
Peng, S.-M., (439) 347
Peng, T.-S., (439) 163
Pfister, H., (439) C11
Preston, P.N., (439) 201

Raithby, P.R., (439) 147
Rau, A., (439) 263
Raynor, J.B., (439) 341
Rice, D.A., (439) 251
Roger, C., (439) 163
Rosenthal, U., (439) C36
Royo, P., (439) 147, 309
Ruffo, F., (439) C49

Sakamoto, H., (439) 19
Selas, J.M., (439) 147
Senior, A.M., (439) 177
Shur, V.B., (439) 303
Sinha, C., (439) 91
Sohn, Y.S., (439) 23
Stalke, D., (439) C6
Stammler, H.-G., (439) 279
Steiner, A., (439) C6
Sun, H., (439) 45
Sutton, D., (439) 221

Teo, S.-B., (439) 139
Teoh, S.-G., (439) 139

Thiele, K.-H., (439) C6
Tiripicchio, A., (439) 309
Todres, Z.V., (439) C28, C46, C53
Tomb, P.J., (439) 201

Vol'pin, M.E., (439) 303

Wang, Q., (439) C1
Wang, T.-F., (439) 155
Weiss, E., (439) 65
Wen, Y.-S., (439) 155
Went, M.J., (439) 189
Woodward, S., (439) 319

Yan, X., (439) 221
Yeap, G.-Y., (439) 139
Yin, Y., (439) 45

Zhang, X., (439) 221
Zhu, X.-H., (439) 1
Zhu, Y., (439) 45
Zsolnai, L., (439) 33

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 439 (1992)

SUBJECT INDEX

Arsenic

η^1- und η^2-Komplexe von Cp*-substituierten Diphosphenen und Arsaphosphenen: Synthese, Struktur und Umlagerung unter Cp*-Wanderung (P. Jutzi, U. Meyer, S. Opiela, B. Neumann und H.-G. Stammler), (439) 279

Synthesis of the first diarsadigalletane (D.A. Atwood, A.H. Cowley, R.A. Jones and M.A. Mardones), (439) C33

Calcium

Characterization of 1:1 heterobimetallic complexes of $(\eta^5\text{-}C_5Me_5)Ir(CO)_2$ with zinc, cadmium and mercury(II) chloride and the X-ray structure determination of the 1:2 mercury complex (F.W.B. Einstein, X. Yan, X. Zhang and D. Sutton), (439) 221

Chromium

$\{\eta^6\text{-aren}(CO)_2Cr\}$ als metallorganische 16-Elektronenkomplexfragmente: Synthese und Eigenschaften von Stibinidenkomplexen $[\{\eta^6\text{-aren}(CO)_2Cr\}_2SbX]$ (F. Bringewski, G. Huttner, W. Imhof und L. Zsolnai), (439) 33

Reaktionen von Komplexliganden. LII. Sechsgliedrige Aminocarben-Chelatkomplexe: Synthese, Alkin/Carben-Verknüpfung und Carbenanellierung (K.H. Dötz, A. Rau und K. Harms), (439) 263

η^1- und η^2-Komplexe von Cp*-substituierten Diphosphenen und Arsaphosphenen: Synthese, Struktur und Umlagerung unter Cp*-Wanderung (P. Jutzi, U. Meyer, S. Opiela, B. Neumann und H.-G. Stammler), (439) 279

Cobalt

Syntheses and characterization of tri-metal cluster compounds; X-ray structure determination of $[Co_2Mo(\mu_3\text{-}CC_6H_5)Br(CO)_8(bipy)]$ (bipy = α,α-dipyridyl) (Y. Yin, H. Sun, D. Jin and Y. Zhu), (439) 45

The synthesis of dimetallic thioalkyne complexes of cobalt and molybdenum (S.C. Bennett, A. Gelling and M.J. Went), (439) 189

Synthesis and characterization of cobalt and molybdenum complexes derived from linear conjugated diynenes, triynedienes and tetraynetrienes (W.E. Lindsell, P.N. Preston and P.J. Tomb), (439) 201

Gallium

Organometallic precursors to the formation of GaN by MOCVD: structural characterisation of $Me_3Ga \cdot NH_3$ by gas-phase electron diffraction (M.J. Almond, C.E. Jenkins, D.A. Rice and K. Hagen), (439) 251

Synthesis of the first diarsadigalletane (D.A. Atwood, A.H. Cowley, R.A. Jones and M.A. Mardones), (439) C33

Germanium

Synthesis of polymetallacycloalkanes (P. Mazerolles and C. Laurent), (439) 115

^{13}C NMR studies of silyl and germyl complexes of rhodium and iridium containing carbonyl ligands (E.A.V. Ebsworth and S. Moreton), (439) 213

Hafnium

Condensation of primary silanes in the presence of Cp_2MCl_2 / ^nBuLi (M = Ti, Zr, Hf) (J.Y. Corey and X.-H. Zhu), (439) 1

Iridium

Electronic structure of catalytic intermediates for production of H_2: $(C_5Me_5)Ir(bpy)$ and its conjugated acid (M. Ladwig and W. Kaim), (439) 79

^{13}C NMR studies of silyl and germyl complexes of rhodium and iridium containing carbonyl ligands (E.A.V. Ebsworth and S. Moreton), (439) 213

Characterization of 1:1 heterobimetallic complexes of $(\eta^5\text{-}C_5Me_5)Ir(CO)_2$ with zinc, cadmium and mercury(II) chloride and the X-ray structure determination of the 1:2 mercury complex (F.W.B. Einstein, X. Yan, X. Zhang and D. Sutton), (439) 221

Iron

$Fe(CO)_2[P(OMe)_3]_2L$, Dicarbonylbis(trimethylphosphit)eisen-Komplexe mit den Liganden L = Ethen, Diphenylethin und SO_2 (F. Meier-Brocks, R. Albrecht und E. Weiss), (439) 65

η^1- und η^2-Komplexe von Cp^*-substituierten Diphosphenen und Arsaphosphenen: Synthese, Struktur und Umlagerung unter Cp^*-Wanderung (P. Jutzi, U. Meyer, S. Opiela, B. Neumann und H.-G. Stammler), (439) 279

Ferrocenliganden in der Lanthanid-Chemie: Chelatstabilisierung des ersten Diorganyllanthanid(III)-halogenids (H. Gornitzka, A. Steiner, D. Stalke, U. Kilimann, F.T. Edelmann, K. Jacob und K.-H. Thiele), (439) C6

Phosphenium-Übergangsmetallkomplexe. XX. Stabilisierung von Mesitylphosphiniden durch ein $Cp(CO)_2W$- und ein $Cp(CO)_2Fe$-Fragment (U.-A. Hirth und W. Malisch), (439) C16

Protophilic isotopic hydrogen exchange of 1-ferrocenyl-2-(nitrophenyl)ethylenes (Z.V. Todres and D.S. Ermekov), (439) C28

A new reaction of $[Cp(CO)_2Fe(PPh_2H)]PF_6$ with $NaBH_4$ to give $Cp(CO)(H)Fe(PPh_2H)$ via $Cp(CO)_2FeH$ and PPh_2H (H. Nakazawa, K. Kubo, C. Kai and K. Miyoshi), (439) C42

High resolution EPR spectra of ferrocenyl(nitrophenyl)ethylene anion-radicals (G.F. Pedulli and Z.V. Todres), (439) C46

Cis / trans isomerization of β-ferrocenylacrylonitrile during protophylic isotope hydrogen exchange (Z.V. Todres, D.S. Ermekov and I.A. Garbuzova), (439) C53

Lithium

Synthesis of polymetallacycloalkanes (P. Mazerolles and C. Laurent), (439) 115

Reactions of chelating alkali metal amides with the Grignard reagent ^nBuMgCl: crystal structures and solution ^1H NMR spectroscopic studies of the expected mono(amido)-product $[PhCH_2(Me_2NCH_2CH_2)NMg^nBu]_2$ and the unexpected bis(amido)-product $\{[Ph(2\text{-}Pyr)N]_2Mg\cdot(THF)_2\}$ (K.W. Henderson, R.E. Mulvey, W. Clegg and P.A. O'Neil), (439) 237

Magnesium

Reactions of chelating alkali metal amides with the Grignard reagent ^nBuMgCl: crystal structures and solution ^1H NMR spectroscopic studies of the expected mono(amido)-product $[PhCH_2(Me_2NCH_2CH_2)NMg^nBu]_2$ and the unexpected bis(amido)-product $\{[Ph(2\text{-}Pyr)N]_2Mg\cdot(THF)_2\}$ (K.W. Henderson, R.E. Mulvey, W. Clegg and P.A. O'Neil), (439) 237

Manganese

Electron spin resonance spectroscopy of $Mn(CO)_5\cdot$ radicals generated in the gas phase thermolysis of $Mn_2(CO)_{10}$ (K. Mach, J. Nováková and J.B. Raynor), (439) 341

Alkylmanganese pentacarbonyls (J.-A.M. Andersen and J.R. Moss), (439) C25

Mercury

Characterization of 1:1 heterobimetallic complexes of $(\eta^5\text{-}C_5Me_5)Ir(CO)_2$ with zinc, cadmium and mercury(II) chloride and the X-ray structure determination of the 1:2 mercury complex (F.W.B. Einstein, X. Yan, X. Zhang and D. Sutton), (439) 221

Metallocenes

Catalytic activity of the titanocene complex with tolane in homogeneous hydrogenation of unsaturated hydrocarbons (V.B. Shur, V.V. Burlakov and M.E. Vol'pin), (439) 303

Ferrocenliganden in der Lanthanid-Chemie: Chelatstabilisierung des ersten Diorganyllanthanid(III)-halogenids (H. Gornitzka, A. Steiner, D. Stalke, U. Kilimann, F.T. Edelmann, K. Jacob und K.-H. Thiele), (439) C6

Protophilic isotopic hydrogen exchange of 1-ferrocenyl-2-(nitrophenyl)ethylenes (Z.V. Todres and D.S. Ermekov), (439) C28

Die Bildung von $[Cp_2Ti(C{\equiv}CSiMe_3)]_2$ aus Titanocen und 1,4-Bis(trimethylsilyl)-1,3-Butadiin (U. Rosenthal und H. Görls), (439) C36

High resolution EPR spectra of ferrocenyl(nitrophenyl)ethylene anion-radicals (G.F. Pedulli and Z.V. Todres), (439) C46

Cis / trans isomerization of β-ferrocenylacrylonitrile during protophylic isotope hydrogen exchange (Z.V. Todres, D.S. Ermekov and I.A. Garbuzova), (439) C53

Molybdenum

Syntheses and characterization of tri-metal cluster compounds; X-ray structure determination of $[Co_2Mo(\mu_3\text{-}CC_6H_5)Br(CO)_8(bipy)]$ (bipy = α,α-dipyridyl) (Y. Yin, H. Sun, D. Jin and Y. Zhu), (439) 45

Half-sandwich complexes with intramolecular amino group coordination: synthesis and structure of cationic molybdenum dienyl complexes (T.-F. Wang and Y.-S. Wen), (439) 155

The synthesis of dimetallic thioalkyne complexes of cobalt and molybdenum (S.C. Bennett, A. Gelling and M.J. Went), (439) 189

Synthesis and characterization of cobalt and molybdenum complexes derived from linear conjugated diynenes, triynedienes and tetraynetrienes (W.E. Lindsell, P.N. Preston and P.J. Tomb), (439) 201

η^1- und η^2-Komplexe von Cp*-substituierten Diphosphenen und Arsaphosphenen: Synthese, Struktur und Umlagerung unter Cp*-Wanderung (P. Jutzi, U. Meyer, S. Opiela, B. Neumann und H.-G. Stammler), (439) 279

Some P–H bond substitution derivatives and fluxionality of $Cp_2Mo_2(\mu\text{-}H)(\mu\text{-}PHPh)(CO)_4$ (S. Woodward and M.D. Curtis), (439) 319

The synthesis of dinuclear molybdenum and tungsten complexes with the bridging heterodifunctional ligand $C_5H_4PPh_2$: X-ray crystal structure of $Mo_2(\mu\text{-}C_5H_4PPh_2)(\eta^5\text{-}C_5H_5)(CO)_5$ (T.J. Duckworth, M.J. Mays, G. Conole and M. McPartlin), (439) 327

Cycloadditionsreaktionen von Phospheniumkomplexen. VIII. Regioselektive Cycloaddition chiraler Phosphenium-Komplexe $Cp(OC)[Ph_2(R)P]M{=}PPh_2$ (M = Mo, W; R = H, Me) mit Isothiocyanaten (H. Pfister und W. Malisch), (439) C11

Phosphenium-Übergangsmetallkomplexe. XXI. Schwefel- und Selenaddition an die Metall–Phosphor-Doppelbindung der zweikernigen Phosphinidenkomplexe $Cp(CO)_2M{=}PMes[M(CO)_3Cp]$ (M = Mo, W) (U.-A. Hirth, W. Malisch und H. Käb), (439) C20

Nickel

Nickel-catalyzed reactions of 3,4-benzo-1,1,2,2-tetraethyl-1,2-disilacyclobutene (M. Ishikawa, H. Sakamoto, S. Okazaki and A. Naka), (439) 19

η^1- und η^2-Komplexe von Cp*-substituierten Diphosphenen und Arsaphosphenen: Synthese, Struktur und Umlagerung unter Cp*-Wanderung (P. Jutzi, U. Meyer, S. Opiela, B. Neumann und H.-G. Stammler), (439) 279

Osmium

Structural aspects of the osmium and ruthenium clusters $[M_3(CO)_{10}(alkyne)]$ and related substituted compounds (A.J. Deeming and A.M. Senior), (439) 177

Synthesis of tetranuclear heterometallic cluster complexes via condensation of triosmium alkyne complexes $Os_3(CO)_{10}(C_2R_2)$, R = Tol and Me, and mononuclear tungsten acetylide complexes $LW(CO)_3C{\equiv}CR'$, L = Cp and Cp*, R' = Ph and ^{t}Bu (Y. Chi, R.-C. Lin, C.-C. Chen, S.-M. Peng and G.-H. Lee), (439) 347

Palladium

Synthesis and structure of a thioazobenzene palladacycle: oxygen insertion into the Pd–C bond by *m*-chloroperbenzoic acid (C.K. Pal, S. Chattopadhyay, C. Sinha and A. Chakravorty), (439) 91

The palladium-catalysed addition of hexamethylditin to 1,3-dienes (T.N. Mitchell, B. Kowall, H. Killing and C. Nettelbeck), (439) 101

Synthesis and characterization of dinuclear palladium(II) complexes containing both chloro and organochalcogenides as bridging ligands (V.K. Jain and S. Kannan), (439) 231

Phosphorus

Synthesis and characterization of dinuclear palladium(II) complexes containing both chloro and organochalcogenides as bridging ligands (V.K. Jain and S. Kannan), (439) 231

η^1- und η^2-Komplexe von Cp*-substituierten Diphosphenen und Arsaphosphenen: Synthese, Struktur und Umlagerung unter Cp*-Wanderung (P. Jutzi, U. Meyer, S. Opiela, B. Neumann und H.-G. Stammler), (439) 279

Cycloadditionsreaktionen von Phospheniumkomplexen. VIII. Regioselektive Cycloaddition chiraler Phosphenium-Komplexe $Cp(OC)[Ph_2(R)P]M{=}PPh_2$ (M = Mo, W; R = H, Me) mit Isothiocyanaten (H. Pfister und W. Malisch), (439) C11

Phosphenium-Übergangsmetallkomplexe. XX. Stabilisierung von Mesitylphosphiniden durch ein $Cp(CO)_2W$- und ein $Cp(CO)_2Fe$-Fragment (U.-A. Hirth und W. Malisch), (439) C16

Phosphenium-Übergangsmetallkomplexe. XXI. Schwefel- und Selenaddition an die Metall–Phosphor-Doppelbindung der zweikernigen Phosphinidenkomplexe $Cp(CO)_2M{=}PMes[M(CO)_3Cp]$ (M = Mo, W) (U.-A. Hirth, W. Malisch und H. Käb), (439) C20

A new reaction of $[Cp(CO)_2Fe(PPh_2H)]PF_6$ with $NaBH_4$ to give $Cp(CO)(H)Fe(PPh_2H)$ via $Cp(CO)_2FeH$ and PPh_2H (H. Nakazawa, K. Kubo, C. Kai and K. Miyoshi), (439) C42

Platinum

Five-coordinate hydrido/olefin platinum(II) complexes (V. De Felice, M.L. Ferrara, A. Panunzi and F. Ruffo), (439) C49

Rhenium

The synthesis and reactions of Re^I carboxylic acids. The X-ray structure of *fac*-$Re(CO)_3(dppp)CO_2D \cdot 0.5C_6D_6$ (S.K. Mandal, D.M. Ho and M. Orchin), (439) 53

Synthesis and reactivity of bridging bis(alkyl) and bis(alkylidene) complexes derived from the chiral rhenium fragment $[(\eta^5\text{-}C_5H_5)Re(NO)(PPh_3)]^+$ (C. Roger, T.-S. Peng and J.A. Gladysz), (439) 163

Rhodium

^{13}C NMR studies of silyl and germyl complexes of rhodium and iridium containing carbonyl ligands (E.A.V. Ebsworth and S. Moreton), (439) 213

Ruthenium

Structural aspects of the osmium and ruthenium clusters $[M_3(CO)_{10}(alkyne)]$ and related substituted compounds (A.J. Deeming and A.M. Senior), (439) 177

Co-ordinatively unsaturated metal cluster compounds: facile reactivity of the phosphinidene-capped phosphido-bridged triruthenium cluster $[Ru_3(\mu_3\text{-}PPh)(\mu_2\text{-}PPh_2)_2(CO)_7]$ (J.S. Field, R.J. Haines and F. Mulla), (439) C56

Selenium

Synthesis and characterization of dinuclear palladium(II) complexes containing both chloro and organochalcogenides as bridging ligands (V.K. Jain and S. Kannan), (439) 231

Silicon

Condensation of primary silanes in the presence of Cp_2MCl_2 / ^{n}BuLi (M = Ti, Zr, Hf) (J.Y. Corey and X.-H. Zhu), (439) 1

Nickel-catalyzed reactions of 3,4-benzo-1,1,2,2-tetraethyl-1,2-disilacyclobutene (M. Ishikawa, H. Sakamoto, S. Okazaki and A. Naka), (439) 19

Generation and reactivities of methoxyphenylsilylene (Y.-W. Kwak, I.-H. Jeong, J.-Y. Ko and B.H. Boo), (439) 107

Synthesis of polymetallacycloalkanes (P. Mazerolles and C. Laurent), (439) 115

^{13}C NMR studies of silyl and germyl complexes of rhodium and iridium containing carbonyl ligands (E.A.V. Ebsworth and S. Moreton), (439) 213

Reaktionen von Komplexliganden. LII. Sechsgliedrige Aminocarben-Chelatkomplexe: Synthese, Alkin/Carben-Verknüpfung und Carbenanellierung (K.H. Dötz, A. Rau und K. Harms), (439) 263

Hydride transfer reactions between penta- and tetra-coordinate silicon derivatives (R.J.P. Corriu, C. Guerin, B.J.L. Henner and Q. Wang), (439) C1

Die Bildung von $[Cp_2Ti(C{\equiv}CSiMe_3)]_2$ aus Titanocen und 1,4-Bis(trimethylsilyl)-1,3-Butadiin (U. Rosenthal und H. Görls), (439) C36

Sodium

Synthesis of polymetallacycloalkanes (P. Mazerolles and C. Laurent), (439) 115

Reactions of chelating alkali metal amides with the Grignard reagent $^{n}BuMgCl$: crystal structures and solution ^{1}H NMR spectroscopic studies of the expected mono(amido)-product $[PhCH_2(Me_2NCH_2CH_2)NMg^{n}Bu]_2$ and the unexpected bis(amido)-product $\{[Ph(2\text{-}Pyr)N]_2Mg\cdot(THF)_2\}$ (K.W. Henderson, R.E. Mulvey, W. Clegg and P.A. O'Neil), (439) 237

Tantalum

Reactions of tetrachlorocyclopentadienyltantalum(V) derivatives with hexamethyldialuminium: Crystal and molecular structure of dichlorodimethylpentamethylcyclopentadienyltantalum(V) (M. Gómez, G. Jimenez, P. Royo, J.M. Selas and P.R. Raithby), (439) 147

Methylation of (pentamethylcyclopentadienyl)trichloro(diphenyldimethylenephosphoranyl-*C*,*C*)tantalum(V). Crystal structures of $[TaCp^{*}Cl_3\{(CH_2)_2PPh_2\}]$ and $[TaCp^{*}Me_2\{(CH)(CH_2)PPh_2\}]$ (M. Gómez, G. Jimenez, P. Royo, M.A. Pellinghelli and A. Tiripicchio), (439) 309

Tellurium

Synthesis and characterization of dinuclear palladium(II) complexes containing both chloro and organochalcogenides as bridging ligands (V.K. Jain and S. Kannan), (439) 231

Tin

Synthesis and coordination chemistry of itaconic estertin(IV) complexes (O.-S. Jung, J.H. Jeong and Y.S. Sohn), (439) 23

The palladium-catalysed addition of hexamethylditin to 1,3-dienes (T.N. Mitchell, B. Kowall, H. Killing and C. Nettelbeck), (439) 101

Some further studies on acyltrimethylstannanes (T.N. Mitchell and K. Kwetkat), (439) 127

Complex salts derived from the reactions of Me_2SnCl_2 with some aromatic Schiff bases. Crystal structure of bis[*N*-(2-methoxy-1-naphthalidene)-3-methoxyanilinium]hexachlorotetramethyldistannate(IV)dihydrate: $[CH_3OC_{10}H_6CH{:}NHC_6H_4OCH_3]_2[(CH_3)_4Sn_2Cl_6][H_2O]_2$ (S.-G. Teoh, S.-B. Teo, G.-Y. Yeap and H.-K. Fun), (439) 139

Titanium

Condensation of primary silanes in the presence of Cp_2MCl_2 / $^{n}BuLi$ (M = Ti, Zr, Hf) (J.Y. Corey and X.-H. Zhu), (439) 1

Catalytic activity of the titanocene complex with tolane in homogeneous hydrogenation of unsaturated hydrocarbons (V.B. Shur, V.V. Burlakov and M.E. Vol'pin), (439) 303

Die Bildung von $[Cp_2Ti(C{\equiv}CSiMe_3)]_2$ aus Titanocen und 1,4-Bis(trimethylsilyl)-1,3-Butadiin (U. Rosenthal und H. Görls), (439) C36

Tungsten

η^1- und η^2-Komplexe von Cp*-substituierten Diphosphenen und Arsaphosphenen: Synthese, Struktur und Umlagerung unter Cp*-Wanderung (P. Jutzi, U. Meyer, S. Opiela, B. Neumann und H.-G. Stammler), (439) 279

The synthesis of dinuclear molybdenum and tungsten complexes with the bridging heterodifunctional ligand $C_5H_4PPh_2$: X-ray crystal structure of $Mo_2(\mu\text{-}C_5H_4PPh_2)(\eta^5\text{-}C_5H_5)(CO)_5$ (T.J. Duckworth, M.J. Mays, G. Conole and M. McPartlin), (439) 327

Synthesis of tetranuclear heterometallic cluster complexes via condensation of triosmium alkyne complexes $Os_3(CO)_{10}(C_2R_2)$, R = Tol and Me, and mononuclear tungsten acetylide complexes $LW(CO)_3C{\equiv}CR'$, L = Cp and Cp*, R' = Ph and ^{t}Bu (Y. Chi, R.-C. Lin, C.-C. Chen, S.-M. Peng and G.-H. Lee), (439) 347

Cycloadditionsreaktionen von Phospheniumkomplexen. VIII. Regioselektive Cycloaddition chiraler Phosphenium-Komplexe $Cp(OC)[Ph_2(R)P]M{=}PPh_2$ (M = Mo, W; R = H, Me) mit Isothiocyanaten (H. Pfister und W. Malisch), (439) C11

Phosphenium-Übergangsmetallkomplexe. XX. Stabilisierung von Mesitylphosphiniden durch ein $Cp(CO)_2W$- und ein $Cp(CO)_2Fe$-Fragment (U.-A. Hirth und W. Malisch), (439) C16

Phosphenium-Übergangsmetallkomplexe. XXI. Schwefel- und Selenaddition an die Metall–Phosphor-Doppelbindung der zweikernigen Phosphinidenkomplexe $Cp(CO)_2M{=}PMes[M(CO)_3Cp]$ (M = Mo, W) (U.-A. Hirth, W. Malisch und H. Käb), (439) C20

Ytterbium

Ferrocenliganden in der Lanthanid-Chemie: Chelatstabilisierung des ersten Diorganyllanthanid(III)-halogenids (H. Gornitzka, A. Steiner, D. Stalke, U. Kilimann, F.T. Edelmann, K. Jacob und K.-H. Thiele), (439) C6

Zinc

Synthesis of polymetallacycloalkanes (P. Mazerolles and C. Laurent), (439) 115

Zirconium

Condensation of primary silanes in the presence of Cp_2MCl_2 / ^{n}BuLi (M = Ti, Zr, Hf) (J.Y. Corey and X.-H. Zhu), (439) 1

Characterization of 1:1 heterobimetallic complexes of $(\eta^5\text{-}C_5Me_5)Ir(CO)_2$ with zinc, cadmium and mercury(II) chloride and the X-ray structure determination of the 1:2 mercury complex (F.W.B. Einstein, X. Yan, X. Zhang and D. Sutton), (439) 221